



## PATENT ABSTRACTS OF JAPAN

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## (54) METHOD AND SYSTEM FOR DETECTING AND PROCESSING ABNORMAL SHADOW

diagnostic rate of diagnoses, a cancer detection rate, etc., are found.

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## (57) Abstract:

**PROBLEM TO BE SOLVED:** To evaluate the automatic detection processing of an abnormal shadow and the performance of shadow reading diagnosis quantitatively and to make utilizable the evaluated results for the improvement of detection performance and a shadow reading level in an abnormal shadow detection processing system.

**SOLUTION:** The results of detection processing by an abnormal shadow detection processing means 30 is stored in a server 40. Also, the shadow of an output image of an image output device 440 is read, and doctor's decided results (corrected results are corresponded when being different from the results of detection processing), comment and reporting contents which conform to a BI-RADS proposed by an ACR such as a diagnostic category are stored in the server 40. Pathological diagnostic results corresponding to an abnormal shadow are made to correspond to the reporting contents and are also stored in the server 40. Statistic processing conforming to the follow-up method of the BI-RADS is performed, and the correct

